align12_565

Mon Sep 29 08:57:32 2003.

Page 1

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OM protein - protein search, using sw model

Run on: September 29, 2003, 08:56:49 ; Search time 0.001 Seconds
                                              (without alignments)
                                              150.072 Million cell updates/sec

Title: us-09-081-737-12
Perfect score: 1620
Sequence: 1 MVGLKPSDVPPTMAVKFLGA.........TYEQLKRALMKVQMLRESPF 312

Scoring table: BLOSUM62
                 Gapop 10.0 , Gapext 0.5

Searched: 3 seqs, 481 residues

Total number of hits satisfying chosen parameters: 3

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
                 Maximum Match 100%
                 Listing first 3 summaries

Database : ramirez737.pep:*

   Pred. No. is the number of results predicted by chance to have a
   score greater than or equal to the score of the result being printed,
   and is derived by analysis of the total score distribution.

                         SUMMARIES

Result   Query
  No.   Score Match Length DB ID   Description
------- ----- ----- ------ --- --   -----------
   1   1620   100.0   312   1 US-09-142-565-2   Sequence 2, Appli
   2   485   29.9   95   1 US-09-142-565-6   Sequence 6, Appli
   3   371   22.9   74   1 US-09-142-565-4   Sequence 4, Appli

                         ALIGNMENTS

RESULT 1
US-09-142-565-2
; Sequence 2, Application US/09142565A
; Patent No. 6187560
; GENERAL INFORMATION:
; APPLICANT: Lee James Beeley
; APPLICANT: Kelly Paine
; APPLICANT: Robert James
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GH-30002
; CURRENT APPLICATION NUMBER: 1999-06-30
; EARLIER APPLICATION NUMBER: 9704551.2
; EARLIER FILING DATE: 1997-03-05
; EARLIER APPLICATION NUMBER: 9705614.7
; EARLIER FILING DATE: 1997-03-18
; EARLIER APPLICATION NUMBER: 97305305.1
; EARLIER FILING DATE: 1997-07-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 312
; TYPE: PRT
; ORGANISM: HOMO SAPIEN
US-09-142-565-2

Query Match   100.0%; Score 1620; DB 1; Length 312;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 312; Conservative 0; Mismatches 0; Indels 0; Gaps 0:

Qy   1 MVGLKPSDVPPTMAVKFLGAGTAACFADLVTFPLDTAKVRLQIQCEMQAVQTARLVQYRG 60
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 MVGLKPSDVPPTMAVKFLGAGTAACFADLVTFPLDTAKVRLQIQCENQAVQTARLVQYRG 60

Qy   61 VLGTILTMVRTEGPCSPYNGLVAGLQROMSFASIRIGLYDSVKQVYTPKGADNSSLTTRI 120
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db   61 VLGTILTMVRTEGPCSPYNGLVAGLQROMSFASIRIGLYDSVKQVYTPKGADNSSLTTRI 120

Qy 121 LAGCTTGAMAVTCAQPTDVKVRFQASIHLGPSRSDRKYSGTMDAYRTIARREGVRGLWK 180
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 121 LAGCTTGAMAVTCAQPTDVKVRFQASIHLGPSRSDRKYSGTMDAYRTIAREEGVRGLWK 180

Qy 181 GTLPNIMRNAIVNCAEVVTYDILKEKLLDYHLLTDNFPCHFVSAFGAGFCATVVASPVDV 240
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 181 GTLPNIMRNAIVNCAEVVTYDILKEKLLDYHLLTDNFPCHFVSAFGAGFCATVVASPVDV 240

Qy 241 VKTRYMNSPPGQYFSPLDCMIKMVAQEGPTAFYKGFTPSFLRLGSWNVVMFVTYEOLKRA 300
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db 241 VKTRYMNSPPGQYFSPLDCMIKMVAQEGPTAFYKGFTPSFLRLGSWNVVMFVTYEOLKRA 300

Qy 301 LMKVQMLRESPF 312
          ||||||||||||
Db 301 LMKVQMLRESPF 312

RESULT 2
US-09-142-565-6
; Sequence 6, Application US/09142565A
; Patent No. 6187560
; GENERAL INFORMATION:
; APPLICANT: Lee James Beeley
; APPLICANT: Kelly Paine
; APPLICANT: Robert James
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GH-30002
; CURRENT APPLICATION NUMBER: 1999-06-30
; EARLIER APPLICATION NUMBER: 9704551.2
; EARLIER FILING DATE: 1997-03-05
; EARLIER APPLICATION NUMBER: 9705614.7
; EARLIER FILING DATE: 1997-03-18
; EARLIER APPLICATION NUMBER: 97305305.1
; EARLIER FILING DATE: 1997-07-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 95
; TYPE: PRT
; ORGANISM: HOMO SAPIEN
; FEATURE:
; NAME/KEY: unsurc
; LOCATION: (3)(15)(88)
US-09-142-565-6

Query Match   29.9%; Score 485; DB 1; Length 95;
Best Local Similarity 95.8%; Pred. No. 0;
Matches 91; Conservative 0; Mismatches 4; Indels 0; Gaps 0:

Qy 181 GTLPNIMRNAIVNCAEVVTYDILKEKLLDYHLLTDNFPCHFVSAFGAGFCATVVASPVDV 240
          |||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Db   1 GTXPNIMRNAIVNCXEVVTYDILKEKLLDYHLLTDNFPCHFVSAGFCATVVASPVNV 60

Qy 241 VKTRYMNSPPGQYFSPLDCMIKMVAQEGPTAFYKG 275
          |||||||||||||||||||||||||||||
Db   61 VKTRYMNSPPGQYFSPLDCMIKMVAQEXHTAFYKG 95

RESULT 3

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                    GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on:      September 29, 2003, 08:53:50 ; Search time 2 Seconds
                                            (without alignments)
                                            2.501 Million cell updates/sec

Title:            us-09-081-737-11
Perfect score:    2340
Sequence:         1 TCGAACTCACTCACCTCCCC........AAGAACCTAAAGTAGCAGGA 2340

Scoring table:    IDENTITY_NUC
                  Gapop 10.0 , Gapext 1.0

Searched:         2 seqs, 1069 residues

Total number of hits satisfying chosen parameters:    4

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing:  Minimum Match 0%
                  Maximum Match 100%
                  Listing first 2 summaries

Database :        ramirez737.seq:*

        Pred. No. is the number of results predicted by chance to have a
        score greater than or equal to the score of the result being printed.
        and is derived by analysis of the total score distribution.

                              SUMMARIES
Result              Query
No.      Score     Match Length DB  ID                 Description
----     -----     ----- ------ --  --                 -----------
  1      441.8     18.9    847   1   US-09-142-565-5    Sequence 5, Appli
  2      199.4      8.5    222   1   US-09-142-565-3    Sequence 3, Appli

                             ALIGNMENTS
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```
RESULT 1
US-09-142-565-5
; Sequence 5, Application US/09142565A
; Patent No. 6187560
; GENERAL INFORMATION:
; APPLICANT: Lee James Beeley
; APPLICANT: Kelly Paine
; APPLICANT: Robert James
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GH-30002
; CURRENT APPLICATION NUMBER: US/09/142,565A
; CURRENT FILING DATE: 1999-06-30
; EARLIER APPLICATION NUMBER: 9704551.2
; EARLIER FILING DATE: 1997-03-05
; EARLIER APPLICATION NUMBER: 9705614.7
; EARLIER FILING DATE: 1997-03-18
; EARLIER APPLICATION NUMBER: 97305305.1
; EARLIER FILING DATE: 1997-07-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 847
; TYPE: DNA
; ORGANISM: HOMO SAPIEN
; FEATURE:
; NAME/KEY: unsure
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; LOCATION: (310)(313)(314)(316)(317)(319)(320)(321)(322)(323)
; LOCATION: (324)(325)(326)(330)(331)(335)(337)(338)(339)(339)
; LOCATION: (353)(3R7)(434)(509)(630)(632)(634)(556)(644)(645)
; LOCATION: (646)(648)(651)(652)(653)(654)(655)(657)(658)
; LOCATION: (662)(672)(677)(678)(680)(684)(686)(687)(689)(690)
US-09-142-565-5

Query Match       18.9%;  Score 441.8;  Pred No. 1;  DB 1;  Length 847;
Best Local Similarity    80.2%, Pred No. 0;
Matches 470; Conservative 44; Mismatches 11; Indels 8; Gaps 4;

Qy    855  GGGAGGAAGGAGTCAGGGGCCTGTGGAA-AGGAAGCTTTGCCCAACATCATGAGGAATGCT  913
           |::|:||||::||:::::||||||::|:||  :|::|||||||||||||||||||||||||
Db    315  GRMAKSNMKSNSTCASSGGCYTSYKGAACAGGAAGCTTTSCCCAACATCATGAGGAATGCT  374

Qy    914  ATCGTCAACTGTGCTGCAGGTGGTTGACCTACGACATCCTCAAGGAGAAGCTGCTGGACTAT  973
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    375  ATCGTCAACTGTGCTGCAGGTGGTTGACCTACGACATCCTCAAGGAGAAGCTGCTGGACTAY  434

Qy    974  CACCTGCCTCACTGACAACTTCCCCTGGCACTTTGTCTCTGCCTTTGAGCCGGCTTCTTTT  10
           |||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    435  CACCTGCCTCACTGACAACTTCCCCTGGCACTTTGTCTCTGCCTTTGTGACCGGCTTCTGT  494

Qy   1034  GCCACAGTGGTGGCCTTCCCCGTGGGAACGTGGTGGAGCGTGGTATATGAAACTCACCTCCA 1093
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    495  GCCACAGTGGTGGCMTCCCCGGTGGACGTGGTGGAGCGTGGTATATGAAACTCACCTCCA  554

Qy   1094  GGCCAGTACTTCAGCCCCCTCGACTGTATGATAAAGATGGTCGCCCARGAGGGCCCACACA 1153
           ||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    555  GGCCAGTACTTCAGCCCCCTCGACTGTATGATGATAAAGATGGTGCCCCAGGAGGSCCACACA 614

Qy   1154  GCCTTCTACAAGGGATTTACACCCTCCTTTTGC---GTTGGGATCCTGGA----ACGTG 1207
           ||::||::::::|: | : | :|::  : |:::::::::||  |  : | :|
Db    615  GCCTTCTACAAGGGAKTKASMCTCCTCCTKYYTSCAGVWYKSSMTCCYAGGAACAGKGG  674

Qy   1208  GTGATGTTCGTAACCTATGAGCAGCTGAAACGGGCCCTGATGAAAGTCCAGATGTTACGG 1267
           ::||||::::| :|||||||||||||||||||||||||||||||||||||||||||||||
Db    675  CTKMTGTTCCKTWWCSWATGAGCAGCTGAAACGGGCCCTGATGAAAGTCCAGATGTTACGG  734

Qy   1268  GAATCACCGTTTTGAACAAGACAAGAAGGCCACTGGTAGCTAACGTGTCCGAAACCAGTT 1327
           |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    735  GAATCACCGTTTTGAACAAGACAAGAAGGCCACTGGTAGCTAACGTGTCCGAAACCAGTT  794

Qy   1328  AAGAATGGAAGAAAACGGTGCATCCACGCGACCATGGACACAGCCACCACAT 1380
           |||||||||||||||||||||||||||||||||||||||||||||||||||
Db    795  AAGAATGGAAGAAAACGGTGCATCCACG-ACACATGGACACAGCCACCACACAT  846
```

```
RESULT 2
US-09-142-565-3
; Sequence 3, Application US/09142565A
; Patent No. 6187560
; GENERAL INFORMATION:
; APPLICANT: Lee James Beeley
; APPLICANT: Kelly Paine
; APPLICANT: Robert James
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GH-30002
; CURRENT APPLICATION NUMBER: US/09/142,565A
; CURRENT FILING DATE: 1999-06-30
; EARLIER APPLICATION NUMBER: 9704551.2
; EARLIER FILING DATE: 1997-03-05
; EARLIER APPLICATION NUMBER: 9705614.7
; EARLIER FILING DATE: 1997-03-18
; EARLIER APPLICATION NUMBER: 97305305.1
; EARLIER FILING DATE: 1997-07-16
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 222
; TYPE: DNA
; ORGANISM: HOMO SAPIEN
US-09-142-565-3
```

Mon Sep 29 08:57:31 2003

align11_565

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Query Match          8.5%;  Score 199.4;  DB 1;  Length 222;
Best Local Similarity   94.9%;  Pred. No. 0;
Matches 206; Conservative   0;  Mismatches   11;  Indels   0;  Gaps   0:

Qy    965 CTGGACTATCACCTGCTCACTGACAACTTCCCCTGCCACTTTGTCTCTGCCTTTGGAGCC 1024
          ||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
Db      1 CTGGACTACCACCTGCTCACTGACAACTTCCCCTGCCACTTTGTCTCTGCCTTTGGAGCC   60

Qy   1025 GGCTTCTGTGCCACAGTGGTGGCCTCCCCGGTGGACGTGGTGAAGACCCCGTATATGAAC 1084
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db     61 GGCTTCTGTGCCACAGTGGTGGCCTCCCCGGTGGACGTGGTGAAGACCCCGTATATGAAC  120

Qy   1085 TCACCTCCAGGCCAGTACTTCAGCCCCTCGACTGTATGTATAAAGATGGTGGCCCAGGAG 1144
          ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db    121 TCACCTCCAGGCCAGTACTTCAGCCCCTCGACTGTATGTATAAAGATGGTGGCCCAGGAG  180

Qy   1145 GGCCCACAGCCTTCTACAAGGGATTTACACCCTCCT 1181
          |||||  ||||||||||||||||| |  |  |||||
Db    181 GGCCCACAGGCCTTCTACAAGGGGTGAGCCCTCCTCT  217
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Search completed: September 29, 2003, 08:53:52
Job time : 2 secs

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US-09-142-565-4
; Sequence 4, Application US/09142565A
; Patent No. 6187560
; GENERAL INFORMATION:
;   APPLICANT: Lee James Beeley
;   APPLICANT: Kelly Paine
;   APPLICANT: Robert James
;   TITLE OF INVENTION: NOVEL COMPOUNDS
;   FILE REFERENCE: GH-30002
;   CURRENT APPLICATION NUMBER: US/09/142,565A
;   CURRENT FILING DATE: 1999-06-30
;   EARLIER APPLICATION NUMBER: 9704551.2
;   EARLIER FILING DATE: 1997-03-05
;   EARLIER APPLICATION NUMBER: 9705614.7
;   EARLIER FILING DATE: 1997-03-18
;   EARLIER APPLICATION NUMBER: 97305305.1
;   EARLIER FILING DATE: 1997-07-16
;   NUMBER OF SEQ ID NOS: 6
;   SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 4
;   LENGTH: 74
;   TYPE: PRT
;   ORGANISM: HOMO SAPIEN
;   FEATURE:
;   NAME/KEY: unsure
;   LOCATION: (69)
US-09-142-565-4

Query Match        22.9%;  Score 371;  DB 1;  Length 74;
Best Local Similarity   93.2%;
Matches   69; Conservative   0; Mismatches   0; Indels   5; Gaps   0;

Qy     208 LDYHLLTDNFPCHFVSAPGAGFCATVVASPVDVVKTRYMNSPPGQYFSPLDCMIKMVAQE 267
           |||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||
Db       1 LDYHLLTDNFPCHFVSAPGAGFCATVVASPVDVVKTRYMNSPPGQYFSPLDCMIKMVAQE 60

Qy     268 GPTAFYKGFTPSFL 281
           || ||||| ||
Db      61 GPGAFYKGXASSCL 74
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Search completed: September 29, 2003, 08:56:49
Job time : 0.001 secs